



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

## Complete if Known

Application Number	10/782,284
Filing Date	February 18, 2004
First Named Inventor	John Santhoff et al.
Art Unit	2666
Examiner Name	Melanie Jagannathan
Attorney Docket Number	00121

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
MS		US- 3,648,287	03-07-1972	LIND	
MS		US- 4,586,177	04-1986	KAUL	
MS		US- 5,463,657	10-1995	RICE	
MS		US- 5,530,701	02-05-1996	STILLMAN ET AL.	
MS		US- 5,535,239	07-1996	PADOVANI ET AL.	
MS		US- 5,551,066	08-27-1996	STILLMAN ET AL.	
MS		US- 5,636,140	06-1997	LEE ET AL.	
MS		US- 6,041,046	03-2000	SCOTT ET AL.	
MS		US- 6,088,324	07-2000	SATO	
MS		US- 6,526,264	02-2003	SUGAR ET AL.	
MS		US- 6,754,195	06-2004	WEBSTER ET AL.	
MS		US- 6,760,300	07-2004	EBERLE ET AL.	
MS		US- 6,856,610	02-2005	SCHMIDT ET AL.	
MS		US- 6,873,611	03-2005	RIOS	
MS		US- 6,898,198	05-2005	RYAN ET AL.	
MS		US- 2002/0126739	09-2002	TIEDEMANN ET AL.	
MS		US- 2003/0189975	10-2003	FULLERTON	
MS		US- 2004/0199686	10-2004	KARAOGUZ	
MS		US- 2004/0151109	08-2004	BATRA ET AL.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
MS		WO 98/27670	06-25-1998	MICRON		
MS		EP 0 825 794 A2&A3	02-25-1998	LUCENT		

Examiner Signature

*Melanie Jagannathan*

Date Considered

5/10/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

Complete if Known

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

2

Application Number

10/782,284

Filing Date

February 18, 2004

First Named Inventor

John Santhoff et al.

Art Unit

2666

Examiner Name

Melanie Jagannathan

Attorney Docket Number

00121

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>MM</i>		WILLIAM D HORNE & PETER WEED, Adaptive Spectrum Radio: A Feasibility Platform On The Path To Dynamic Spectrum Access, International Symposium On Advanced Radio Technologies, March 5, 2003, 1 page.	
<i>MM</i>		AYAL SHOVAL, W MARTIN SNELGROVE & DAVID A JOHNS, A 100 Mb/s BiCMOS Adaptive Pulse-Shaping Filter, IEEE Journal On Selected Areas in Communications, December 2003, 11 pages, Vol. 13, No. 9.	
<i>MM</i>		WILLIAM D HORNE, Adaptive Spectrum Access: Using the Full Spectrum Space, 15 pages.	
<i>MM</i>		PENTEK, INC., MITRE Designs an Adaptive Spectrum Radio Platform, The Pentek Pipeline, Spring 2003, 4 pages, Vol. 12, No. 1.	
<i>MM</i>		DR. DANIEL SCHAEFER & MR. STEVE COX, Adaptive Spectrum Utilization with Software Defined Radio, October 2, 2002, 23 pages.	
<i>MM</i>		FEDERAL COMMUNICATIONS COMMISSION, Notice of Proposed Rule Making, In the Matter of Authorization and Use of Software Defined Radios (ET Docket No. 00-47), December 8, 2000, 23 pages.	
<i>MM</i>		FEDERAL COMMUNICATIONS COMMISSION, Notice of Proposed Rule Making and Order, In the Matter of Facilitating Opportunities for Flexible, Efficient, and Reliable Spectrum Use Employing Cognitive Radio Technologies (ET Docket No. 03-108) & Authorization and Use of Software Defined Radios (ET Docket No. 00-47 Terminated), December 30, 2003, 53 pages.	
<i>MM</i>		FEDERAL COMMUNICATIONS COMMISSION, Notice of Inquiry And Notice of Proposed Rule Making and Order, In the Matter of Establishment of an Interference Temperature Metric to Quantify and Manage Interference and to Expand Available Unlicensed Operation in Certain Fixed, mobile and Satellite Frequency Bands (ET Docket No. 03-237), November 28, 2003, 31 pages.	

Examiner Signature	<i>Melanie Jagannathan</i>	Date Considered	5/5/06
--------------------	----------------------------	-----------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.